Rule for Pedestrians.

The pedestrian in St. Louis nowadays must walk the chalk-

line, literally. The director of streets has decreed that there

shall be no more crossing of

crowded streets cat-a-corner. no

more helterskelter scurrying between motor cars, street cars and

wagons, no more avoidable acci-

dents. So heavy white lines have

been painted from corner to cor-

ner on the building line and side-

walk line; in this path, and this

alone, may the pedestrian hence-

forth cross downtown streets. The traffic policemen have been asked to enforce this rule as rigidly as other traffic ordinances.

TO RUN AUTO ENGINES

plosive Gases May Be Ob-

Declares They Will Be More Power

ful Than Gasoline, Naphtha

or Kerosene.

George Harris Moriarty, a Washing-

on boy, residing at \$11 E street north-

menting, has discovered that water can

is taken from water develops 89.87 per

cent horsepower. The other 10.13 per

"The gases which are taken away from the water are known as oxygen and hydrogen. Water, when it is distilled, only has left the liquid elements

separating chamber of the water.

Making Water Gases.

"One is a positive electrode, the other

negative. Both electrodes, coming

from a six-volt battery, with the help

of a small quantity of sulphuric acid.

which is put in the water to electrify

it, develop the electric power to de-

associate gases. When the oxygen and

hydrogen are separated they are then passed by siphon feed into the two

separate pipes, oxygen going through one and hydrogen through the other. These two pipes are then run to an automatic timer, which operates from the cam shaft. This timer distributes the oxygen and hydrogen equally into

compression and a spark plug, which

Hupmobile for Orange Dealers.

A 1916 Hupmobile touring car was

form water.

. tained From H2-0.

BY HOWARD S. FISK.

UTOMOBILE racing is as much a business as a sporting proposition, and with that in view the Philadelphia motor speedconstructed to meet the requirements from all directions. First, with the idea of affording high-grade speed hazardous pitches. contests, with safety to the participants and comfort and convenience to the spectators; and, second, to afford to

their machines under uniform condi-

tions that will afford a basis of com-

To meet these demands, the plans of

miles in circuit, paved with concrete,

and pear-shaped in contour. It was

built primarily to afford English man-

ufacturers the same advantages of

tests for speed and endurance as were enjoyed by continental manufacturers

tor the interest of greater frequency of passing cars. By ironing out the curves to transition spirals at the points where they merge in the straightaways, the banking can be skillfully proportioned to the increasing curvature, and the safety of the driver increased by providing for the balance to the coverturing more. way at Warminster, Pa., is him the balance to his overturning monstructed to meet the requirement, that his skill must otherwise pro-

Track Laid in Concrete.

The Philadelphia track will be of wood

CHALMERS 6-40 SEVEN-PASSENGER TOURING CAR.

The withdrawal of the Maxwell Mo- On Motor Trip Up Coast.

PLANS TO USE WATER to each purchaser.

Elmer and Mrs. Wilson M. Eppley are enjoying a motor trip up the Jersey coast to New York city. They left with headquarters in Detroit. Mr. Washington a few days ago and took Bruske handled the Maxwell racing the ferry at Wilmington, Del., for manufacturers, inventors and owners laid on concrete, this providing the ideal team from January 1 to the date of its Penns Grove, N. J., from which point an opportunity to try out the merits of running surface on a foundation that disbanding. during which period its they motored to Atlantic City thence up the coast boulevard. had a narrow escape at Franklinville, N. J., on the way to Atlantic City. After being given the signal to cross the railroad tracks by the flagman on duty, a train speeded past the crossing within fifteen feet of the machine in which they were riding. After spending several days in New York they will return via Trenton and Philadelphia. They are making the trip in Mr. Stein's Ford car.

A Briscoe Visitor.

west, after several years of experi-George, P. MacGowan, supervisor southeastern district for the Briscoe bustion engine of the reciprocating be used as a fuel for an internal com-Motor Company, was a visitor for a type. "Water." he says, "when used as couple of days last week. He was here in the interest of the company an explosive power, is far more powerful than gasoline, naphtha or kerosene. which he represents.

En Route Through South.

Amos Fisher, eastern representative cent power is lost through the energy for the Studebaker Corporation, after taken to deassociate the gases which Amos Fisher, eastern representative

Mitchell Representative Here.

W. A. Walton, representative for the Mitchell line, left Thursday for the south after a brief visit in this city. While here he was the guest of Miller

Nation-Wide Service Policy.

Six new jitney buses of unique de-

firm of Miller brothers for operation on two littles which were not into two jitney routes which were put into commission last week. These buses forms combustion.

"In running a motor this way it deare of the pay-as-you-enter type, with the entrance on the right side opposite the driver's seat, and are so constructed that the passengers can easily enter the car from the curb. They are lighted by dome electric lights, are provided with electric push buttons for maining unexploded. This is when an with electric push buttons for maining unexploded. This is when an rided with electric push buttons for the convenience of the passengers in signaling the driver, and a cash or ticket box into which the fares are placed by the passengers on entering the car.

Requires Warnings at R.R. Crossings
New Hampshire now has a law placing the protection of railroad grade crossings in the hands of the public motors."

maining unexploded. This is when an engine is running. "The gases which form water are more sensitive and more powerful for explosive purposes, as no power is lost due to lack of unexplosive gases. It is more staple to rely on, as there is no carburetor or mixer to adjust. So I think, with a little more experimenting, water can be used as a commercial product as a fuel for automobiles, marine, stationary and aeronautical motors."

crossings in the hands of the public service commission, which has ordered that each city and town shall maintain warning signs at a reasonable distance on each side of crossings. The signs must be of enameled metal, 24 by 12 inches in size, and have white letters on a blue ground. If any town neglects to set such signs for sixty days, it fordelivered during the past week to Bates Brothers of Orange, Va. feits \$1 for each day.

A Haynes Purchaser.

track. Concrete curbs, hub high, the full circuit of the track will reassure the driver of danger of decapitation in runthe Philadelphia track stand comparison with the existing track at Brooksubways provided at various points on the circuit will remove at all times the Brookland track is three and a quarter that of unconscious trespassing on the

> Under such conditions racing is bound to take on a new meaning and interest Safety is assured, records will be broken old interests will be revived, and the halycon days of early speed contests will be assured Philadelphia.

1916 5-PASSENGER MAXWELL TOURING CAR APPEARS ON MARKET

will prevent the settling and buckling drivers led all American cars in win that so seriously affect the Chicago Bruske did similar work on the staff of the Studebaker Corporation.

Service Coupon Books.

The Probey-Arrison Motor Company has recently inaugurated a new serv ice idea in connection with Apperson owners, in the shape of coupon books entitling an owner to service free of charge. The coupons, twenty in number, are good for one dollar's worth of labor charges in the service density of the labor charges in the service density of th

tor Sales Corporation from racing has made possible the transfer of Contest Manager Paul Hale Bruske to a factory position in which he will have charge of the newspaper work of the company,

ment, being accepted in payment for inspections and work done. The idea is new with this concern, a book bearing the number of the car being given

Mr. and Mrs. Henry C. Stein and son

The explosive power of the gases which

spending the week-end in the National Capital, left for Richmond and the south on an extended trip.

tilled, only has left the liquid elements of oxygen and hydrogen. All other minerals which form water, such as iron, copper, sulphurate and other elements unknown to chemistry, leave water as it is distilled. Distilled water thus has only two elements, 82.22 parts hydrogen and 17.78 per cent oxygen. This oxygen and hydrogen is sentented. Bros., local representatives. This oxygen and hydrogen is separated from its natural source (water) by the means of electrolis under the form of two electrodes, which are placed in the

The Hupp Motor Car Company has devised a nation-wide service plan, which has just been put into operation. The distinctive feature is a book of one hundred coupons which every buyer receives with a 1916 Hupmobile, entitling the owner to fifty hours of free labor, sufficient under ordinary circumstances to keep the car in perfect running order. These coupons are good for service at any of the Hupmobile service stations in the United States or Canada. This plan provides for regular car, inspection and adjustment of every Hupmobile.

Jitney Buses of Unique Design.

The latest purchaser of a Haynes five-passenger touring car is Mrs. Nellie R. Gibson of Rockville, Md. De-livery was made a few days ago.

Compiled By Howard S. Fisk 200 ROUTES AUTO SUPPLY STORES, HOTELS AND NEWSSTANDS,

nountable rims. tant highways-not permitted in Eng- now under construction at Warminster

until today the track is brick paved, protected by banks and the yearly events are of nation-wide importance, attracting larger attendance than any other sporting event in America. Furthermore, even the most conservative car builders are only too glad to tell you what their cars have done in pub-lic test or private trials on the Indian-apolis track, for there is today nowhere

Indianapolis.
With only two speedways in America, the Philadelphia motor speedway comes into existence at the proper time. Sit-uated central to all the large cities of the east, it contains 11,000,000 within the radius that Indianapolis contains

Profiting by the existence of the older tracks, it will combine the best features of all and eliminate the troublesome ones. It will be two miles in circuit, but the curves will be as easy as those which make the Brookland track faster than

ARGO

land, and, incidentally, not permitted above Willow Grove, under the auin America, either. The value of the spices of the Philadelphia Motor Speed-speedway was at once manifested by way Association, will be the superior the indianapolis speedway has had a gradual development. From a dirt track of two and one-half miles in circuit—intended primarily for local automobile events—it has improved architects of the track which is now and one-half miles in circuit—intended primarily for local automobile events—it has improved architects of the track which is now architects of the track which is now architects of the track which is now and construction, while superior was superior was precised way in the country in many respects. Chief among the superior was a superior was precised way in the country in many respects. Chief among the superior was a sup under construction, have provided for an entrance and an exit every seventy-five feet. In addition to this there will be more than a score of tunnels under the track, so that automobiles will have free and easy access to the parking space inside the two-mile oval.

These easy facilities are carried These easy facilities are carried out also in the provisions for trolley serv-

of the features of the latest model include new-shaped radiator, true atream-line body, new clutch system

oil-tight, compact housing; electric starting and lighting system, high tension magneto, one-may top and de

ice. There is a trolley subway directly under the grandstand, so that those going to the park by that means are in America where such tests can be ly under the grandstand, so that those made under proper conditions of privacy, safety and convenience except at never endangered by automobiles. Like wise a railroad terminal of eighteen tracks is to be provided, and the visitors to the race track by railroad

have the same safety assured through special provisions.

The grandstand will have a seating capacity of practically 100,000. For the members of the association which owns and will operate the speedway there is a special stand. These stands will represent the last word in open air seating comforts. Another seating feature that will be new to motor speedways will be the railroad spur Indianapolis, while affording the specta- alongside the outside edge of the rac

Shaft-Driven

Economical

Durable Comfortable

Four-Cylinder

Standard Tread

Electric Start-

ing and Lighting System, \$60

Demonstration

ROADSTER

Smith Motor Sales Co., 2017 14th St. N.W.

Main 23 Main 23 Main 23 Main 23 Main 23

gasoline for \$50.

200 of these books only will be issued—the coupons to be good until used.

Our patrons are respectfully advised to take advantage of this offer.

Record Auto Supply and Service Co. 631 Mass. Avenue

For the protection and benefit of our patrons we are issuing coupon books worth \$55 in the purchase of accessories, supplies, repairs, or

C. A. EARL TO GO WEST.

Made a Vice President and Director of Willys-Overland Company.

Clarence A. Earl, one of the foremost figures in the New England manufacturing field, is to become a vice president and director of the Willys-Overland Company, Toledo, Ohio. The ar rangement is another of the steps taker by President John N. Willys to give the company the benefit of an official personnel that represents the highest type of executive and managerial ability that is to be obtained. Mr. Earl's experience has been such Irene Carter and Richard Heater.

Recent Reo Deliveries.

During the past week Reo four cylinder touring cars were delivered to the following: C. J. Brown, F. H. Hough, N. Auth, Frank J. Auth, Mrs.

that he is not only a manufacturing executive, capable of organizing and directing a factory on lines of maximum efficiency, but he is an experienced director of sales policies and organizations, and at the same time enjoys a high place in the esteem of Boston and New York banking houses, who have reason to know his capacity in large financial matters.

Recent Reo Deliveries.

Motored From Quaker City.

C. H. Warrington of the Warrington Motor Car Company motored from Philadelphia to this city last Monday afternoon. Leaving Philadelphia at 1:30 o'clock short stops were made at Wilmington and Havre de Grace, arriving here at 8:30 o'clock in the evening. He drove a new 1916 Chandler touring car on the trip, which was made without incident.

Cadillac "Eight" Deliveries. Cadillac Eight touring cars were de-

livered during the past week to G. W. Fleming, F. L. Smith and J. L. Gold.

On January 2, 1915, at the New York automobile show in Grand Central Palace, the Chevrolet Motor Company placed on exhibition a five-passenger car called the Chevrolet "Four Ninety" and represented that it would be ready for the market June 1, to sell for \$490.00 without and \$550.00 with electric starting and lighting

The car immediately became the sensation of the show.

It incorporated so many features found previously in high priced cars only, together with so many original ideas, that a new standard was immediately established in motor car construction.

Automobile dealers from everywhere inspected the car and marveled at its possibilities from a merchandising standpoint.

Many thought that the car could not be built for the price, some predicted that it would never be put on the market, while others went so far as to say that it was being used for advertising purposes only. At any rate, CHEVROLET at once became the most-sought-after agency in the industry.

Well, on June 2 the first "Four Ninety" was placed on the market.

On June 19 the Chevrolet Motor Company had accepted orders (all covered by cash deposits) for over 47,000 cars of this model. Not bad for 17 days' work. To date this figure has been increased to over 80,000.

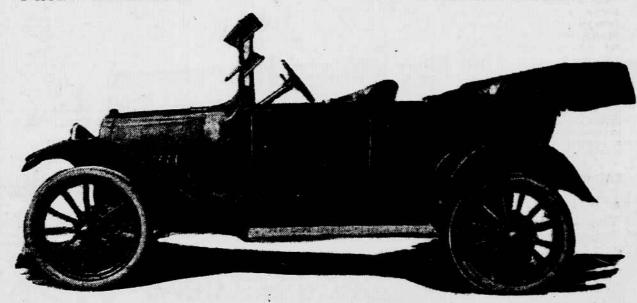
The car is now ready for your inspection and we can make immediate delivery.

A FEW FEATURES

30 horse-power valve-in-head motor. 103-inch wheel base. Three-speed selective transmission. Zenith non-adjustable carburetor.

Cantilever spring front and rear. Full streamline body. Rain vision and ventilating windshield. Crowned fenders.

The Henderson-Rowe Auto Co. Phone Main 3543 1012 14th Street N.W.



\$490 f. o. b. Flint, Mich.

Detroit Electric

Doubled output for 1916 reduces prices as low as \$1975

Last year the Detroit Electric led any enclosed car-either gasoline or electric -in volume of sales. Clearly it won this preference among motor car buyers solely because of its greater value—for many enclosed cars ranked lower in price.

August 15 we reduce the price \$600 to \$725 per car

Remember-these are the same high quality cars as our 1915 models plus a score or more of 1916 refinements. Even while lowering the price, we bettered the car. In the 1916 Detroit Electric, you will find -we believe the top place car of its type. We urge you to match it if you can in elegance, quality, utility, or value in the entire closed car field gasoline or electric. This price reduction is possible only because of doubled output.

You get these savings

Our doubled production leads to many economies in all overhead expenses, in purchasing, in advertising, in sales cost, in engineering. All the savings effected by our larger operations we hand on to youand take our benefit from doubled volume,

Here are the 1916 prices

Model 61 4-Passenger Brougham (Formerly \$2.600) - Now \$1,975 Model 60 5-Pass. Duplex Drive Brougham
(Formerly \$3,000) - Now \$2,275 Model 59 5-Pass. Rear Drive Brougham (Formerly \$2.950) - Now \$2,225

Model 58 5-Pass. Front Drive Brougham (Formerly \$2,950)

Model 57 4-Pass. Rear Drive Brougham (Formerly \$2.850) (Formerly \$2.650) - Now \$2,675

Call on us at once-and learn why the 1916 Detroit Electric is the preferable car for you.

EMERSON & ORME

1407 H St. N.W.

Tel. Main 7695